

What we claim is:

1. A method of inducing, in a susceptible host, the production of antibodies against CS6 protein comprising administration of a composition of matter comprising a bacteria transformed with a plasmid which contains genes cssA and cssB, all of the cssC and DNA sequence of cssD which encodes at least 802 amino acids (at least 2406 base pairs), an origin of replication, a Lac promotor, and a kanamycin resistance gene wherein said bacteria expresses both CS6A and CS6B proteins.
2. A method of claim 1 wherein the bacteria are in a pharmaceutically acceptable carrier.
3. A method of claim 2 wherein the carrier is a carbonated liquid.
4. A protein containing the amino acid sequence
R T E I A T K N F P V S T T I S K S F F A
P E P R I Q P S F G E N V G K E G A L L F
S V N L T V P E N V S Q V T V Y P V Y D E
D Y G L G R L V N T A D A S Q S I I Y Q I
V D E K G K K M L K D H G A E V T P N Q Q
I T F K A L N Y T S G E K K I S P G I Y N
D Q V M V G Y Y V N.

5. A composition of matter comprising a protein of claim 4 in a pharmaceutically acceptable carrier.

6. A protein containing the sequence:

GNWQYKSLDV NVNIEQNFIP DIDSAVRIIP VNYDSDPKLD SQLYTVEMTI
PAGVSAVKIA PTDSLTSSTGQ QIGKLVNVNN PDQNMNYYIR KDSGAGNFMA
GQKGSFPVKE NTSYTFSAIY TGGEYPNSGY SSGTYAGNLT VSFYSN .

7. A composition of matter comprising the sequence of claim 6 in a pharmaceutically acceptable carrier.